(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 28 April 2005 (28.04.2005)

PCT

(10) International Publication Number WO 2005/037690 A1

B65G 23/12, (51) International Patent Classification7: 23/38, A01K 1/01

(21) International Application Number:

PCT/SE2004/001478

(22) International Filing Date: 14 October 2004 (14.10.2004)

(25) Filing Language:

Swedish

(26) Publication Language:

English

(30) Priority Data:

0302734-9

16 October 2003 (16.10.2003)

(71) Applicant and

(72) Inventor: LINDVALL, Tommy [SE/SE]; Kvie Ekeby, S-621 70 Visby (SE).

(74) Agents: KARLSSON, Leif et al.; Groth & Co. KB, Box 6107, S-102 32 Stockholm (SE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

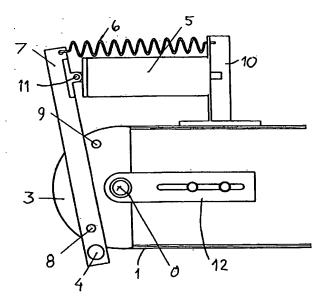
of inventorship (Rule 4.17(iv)) for US only

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FRICTION DRIVE DEVICE FOR A CONVEYOR AND METHOD FOR DRIVING



(57) Abstract: The invention relates to a drive device for intermittent driving of a conveyor (1) that partly surrounds a drum (3) rotatable around a centre axis (0). The drive device comprises drive member (5, 6) and motion transmission member (3, 7, 8, 9). According to the invention, the drive member is (5, 6) arranged to execute a reciprocating motion. The motion transmission member (3, 7, 8, 9), in the motion of the drive member (5, 6) in a first direction, is arranged to impart the drum (3) a rotary motion in a first rotary direction and impart the conveyor a motion. Further, the motion transmission member (3, 7, 8, 9), in the motion of the drive member (5, 6) in a second direction, is arranged to impart the drum (3) a rotary motion in a second rotary direction in such a way that the conveyor (1) is at rest. The invention also relates to a corresponding method.